

# *MSc In Data Science*

Escuela Técnica Superior de Ingenieros Informáticos

Universidad Politécnica de Madrid



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# MASTER'S DEGREE IN DATA SCIENCE

Who am I? Arminda Moreno, in charge of the academic aspects of this Master's Degree.

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Web page of the Programme:

<http://dia.fi.upm.es/mastercd/?q=en/presentation>



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- 1st Semester
  - 8 mandatory courses, 1 elective course.
  - The course Open Data and Knowledge Graphs will concentrate the teaching in the first 8 weeks.
- 2nd Semester, a prelude and 2 parts:
  - From the 29th to the 31st of January, 2020 the mandatory course *Research Methodology* takes place.
  - 1st part starting the 3rd of February to the 27th of March, 2020 involves elective courses and 2 mandatory courses.
  - 2nd part is devoted to the Master's Final Project.
  - The course Data Science Seminars runs throughout the whole 2nd Semester.



# ACADEMIC CALENDAR 2019/2020



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## Academic Calendar. Master's in Data Science.

Academic Year 2019-20

Classes start on

The 16th of September, 2019 - Welcome Meeting

The 17th of September, 2019 - Lessons begin.

The 29th of January, 2020 - The second semester starts.

July 19						
L	M	M	J	V	S	D
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2		

September 19						
L	M	M	J	V	S	D
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

October 19						
L	M	M	J	V	S	D
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

November 19						
L	M	M	J	V	S	D
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

December 19						
L	M	M	J	V	S	D
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

January 20						
L	M	M	J	V	S	D
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

February 20						
L	M	M	J	V	S	D
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

March 20						
L	M	M	J	V	S	D
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

April 20						
L	M	M	J	V	S	D
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

May 20						
L	M	M	J	V	S	D
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

June 20						
L	M	M	J	V	S	D
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

July 20						
L	M	M	J	V	S	D
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

### Key

#### Enrollment period

Master's students

From the 22nd of July to de 2nd of August, 2019  
From the 5th to the 13th of September, 2019

#### Course withdrawal period (max. 24 ECTS)

Bachelor's and Master's students  
From the 27th to the 31st of January, 2020

#### Enrollment extension period

Bachelor's and Master's students  
From the 3rd to the 7th of February, 2020

#### Lessons

#### Ordinary Exams

1

#### Extraordinary exams period

#### Holiday

#### No lessons

29th, 30th, 31st January, 2020. Research Methodology.



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# 1ST SEMESTER TIMETABLE

First Semester						
	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00
Monday		Data Processes Room 6201		Big Data / Data Visualization Room 6201		
Tuesday	Statistical Data Analysis Room 6201		Intelligent Systems * Room 6201		Open Data and Knowledge Graphs Room 6102	
Wednesday	Cloud Computing and Big Data Ecosystems Room 6201		Machine Learning Room 6302			
Thursday	To be used sporadically in complementary / evaluation activities		To be used sporadically in complementary / evaluation activities		To be used sporadically in complementary / evaluation activities	
Friday	Open Data and Knowledge Graphs Room 6102					
* Elective subject						



# 1ST SEMESTER TIMETABLE

<b>First Semester</b>		<b>Only on the 18th and 25th of September</b>				
	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00
Monday		Data Processes Room 6201		Big Data / Data Visualization Room 6201		
Tuesday	Statistical Data Analysis Room 6201		Intelligent Systems * Room 6201		Open Data and Knowledge Graphs Room 6102	
Wednesday	Cloud Computing and Big Data Ecosystems Room 6201			Machine Learning Room 6302		
Thursday	To be used sporadically in complementary / evaluation activities	To be used sporadically in complementary / evaluation activities	To be used sporadically in complementary / evaluation activities	To be used sporadically in complementary / evaluation activities	To be used sporadically in complementary / evaluation activities	To be used sporadically in complementary / evaluation activities
Friday	Open Data and Knowledge Graphs Room 6102					

\* Elective subject



# MASTER'S IN DATA SCIENCE

The competencies of the MSc degree in Data Science have been structured into three categories.

- The **general competencies** are common to any Master degree in Spain – by Royal Decree –, or are proposed by the Universidad Politécnica de Madrid, or are included in the standard EURO-INF for Informatics Programmes.
- The **research orientation** competencies are proposed or shared by any research-oriented Master offered by the School of Computer Science, and that are different from those shared by the professionally-oriented Masters.
- The **specific competences** in Data Science that differentiate the proposed Master degree from other research Masters in the School of Computer Science.



- Involves Full Professors and Tenured Associate Professor from three departments:
  - Department of Computer Systems Architecture and Technology
  - Department of Artificial Intelligence
  - Department of Computer Languages and Systems and Software Engineering
- You can find information about the different Research Groups in these departments on the web page.





- I have been asked about the possibility of having a lockers at campus. Please contact students' guild (Delegación de Alumnos) in block 3.

